

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of the Claims:

Claims 1 – 103 cancelled.

104. (new) An endovascular prosthesis comprising:

a trunk portion having a first end, a second end, and a trunk lumen extending between said first end and said second end of said trunk portion, said trunk portion including a radially expandable support, an inner layer of fabric which at least partially defines said trunk lumen, and an outer layer of fabric which at least partially defines an outer side of said trunk portion, said radially expandable support being at least partially disposed between said inner and outer layers of fabric;

a furcated portion connected to said second end of said trunk portion, said furcated portion including a plurality of branches extending from said second end of said trunk portion and having branch lumens in fluid communication with said trunk lumen, said inner layer of fabric at least partially defines said branch lumens, said outer layer of fabric at least partially defines outer sides of said branches;

said trunk portion is formed by a number of sections equal to the number of branches in said furcated portion, said sections of said trunk portion being interconnected by a plurality of continuous seams which are free of corners along their length and which interconnect said inner and outer layers of fabric, a first end of each of said seams being disposed on a central axis of said trunk

portion at an intersection of said furcated portion, a second end of each of said seams being disposed at said second end of said trunk portion and spaced from the central axis of said trunk portion, each one of said seams having an arcuately curving portion which extends from the first end of said one seam into said trunk portion and a linear portion which extends from the arcuately curving portion of said one seam to the second end of said one seam, said inner and outer layers of fabric extend from said first end of said trunk portion to ends of said branches which are spaced furthest from said trunk portion; and

a plurality of tubular outflow limbs each of which is telescopically connected with one of said branches, each of said outflow limbs extends from one of said branches and has a limb lumen in fluid communication with said trunk lumen, each of said outflow limbs having a radially expandable limb support, an inner layer of fabric which at least partially defines said limb lumen, and an outer layer of fabric which at least partially defines an outer side of said limb, said radially expandable limb support of each one of said outflow limbs being at least partially disposed between said inner and outer layers of fabric of said one outflow limb.

105. (new) An endovascular prosthesis as set forth in claim 104 wherein each one of said branches includes a single linear rod which is disposed between said inner and outer layers of fabric which at least partially define said one branch, said linear rod being spaced from all other members disposed between said inner and outer layers of fabric which at least partially define said one branch.

106. (new) An endovascular prosthesis as set forth in claim 104 wherein said inner and outer layers of fabric which at least partially define said trunk portion have uniaxially oriented fibril microstructures.

107. (new) An endovascular prosthesis as set forth in claim 106 wherein each of said inner and outer layers of fabric which at least partially define said trunk portion have a thickness of about 0.1 mm.

108. (new) An endovascular prosthesis as set forth in claim 107 wherein said inner and outer layers fabric which at least partially define said trunk portion are interconnected by sintering to form a substantially monolithic covering for at least a portion of said radially expandable support.

109. (new) An endovascular prosthesis as set forth in claim 104 further including a stent extending from said first end of said trunk portion with at least a portion of said stent spaced from said inner and outer layers of fabric, said stent having surfaces which engage an inner side surface of a first blood vessel at a location in an upstream blood flow direction of a junction between said first blood vessel and a second blood vessel, said stent extends downstream past the junction between said first and second blood vessels, said trunk portion being disposed in a downstream blood flow direction of the junction between said first and second blood vessels.

110. (new) An endovascular prosthesis as set forth in claim 104 further including a plurality of sutures connected with said branches, each of said sutures being connected with an end portion of one of said branches and extending from

said end portion of said one of said branches in a direction away from said trunk portion to a location spaced from said branches.

111. (new) An endovascular prosthesis as set forth in claim 104 wherein said radially expandable support is spaced apart from said furcated portion.

112. (new) An endovascular prosthesis as set forth in claim 104 each one of said branches includes a rod which extends from a location adjacent to said intersection of said furcated portion to a location adjacent to an end of said one branch which is spaced from said intersection, said rod being disposed between said inner and outer layers of fabric.

113. (new) An endovascular prosthesis as set forth in claim 104 wherein said inner and outer layers of fabric are bonded together.

114. (new) An endovascular prosthesis as set forth in claim 104 wherein said inner layer of fabric is coextensive with said outer layer of fabric.